



SPITZER SPACE TELESCOPE

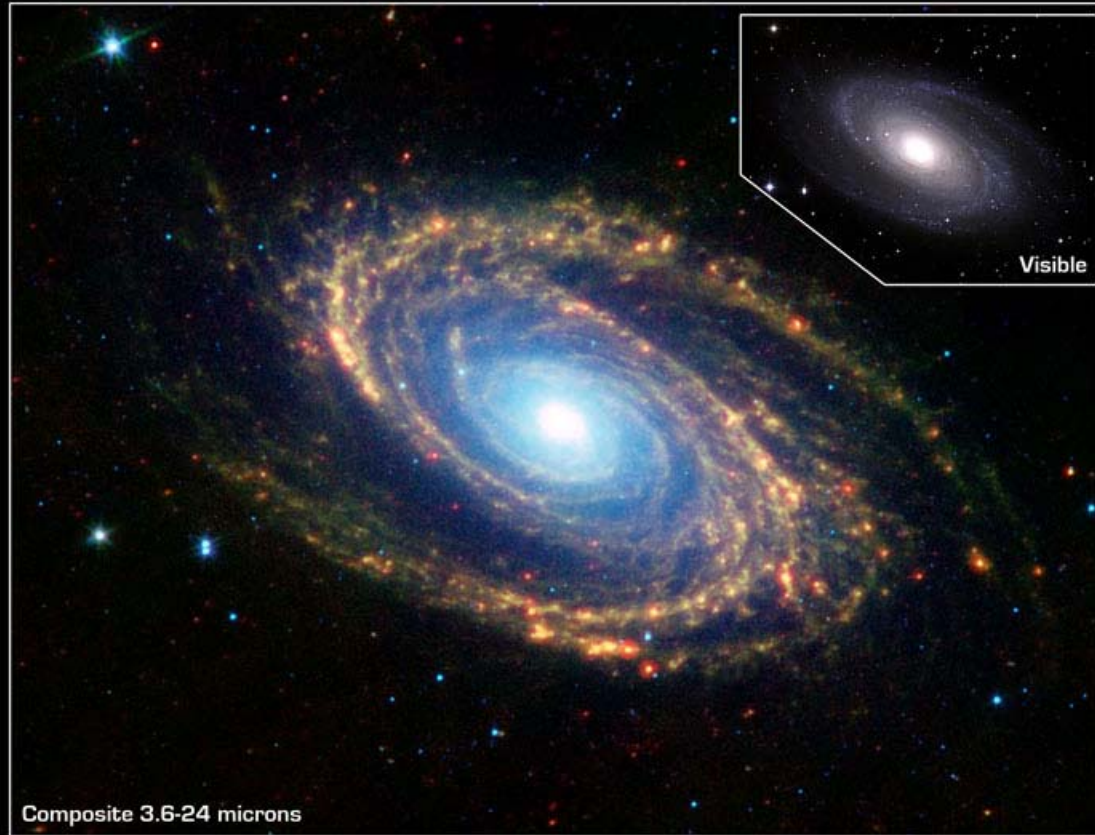
STATUS REPORT

(MORE DETAILS AT SPITZER POSTER SESSION)

B. THOMAS SOIFER

Director

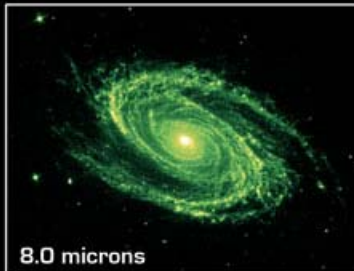
SPITZER SCIENCE CENTER



Composite 3.6-24 microns



24 microns



8.0 microns



3.6 microns

Spiral Galaxy M81

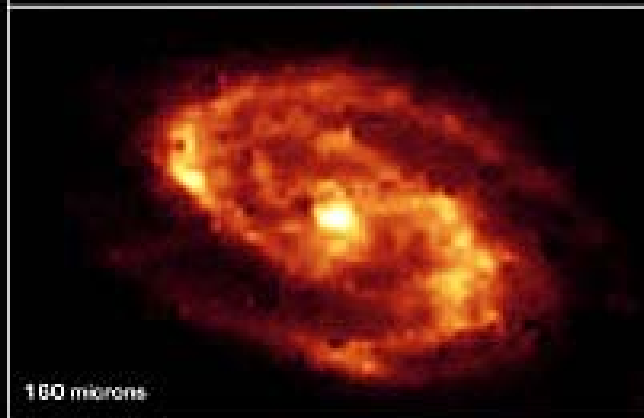
Spitzer Space Telescope • MIPS • IRAC

Inset: visible light (NOAO)

NASA / JPL-Caltech / K. Gordon (University of Arizona), S. Willner (Harvard-Smithsonian CfA)

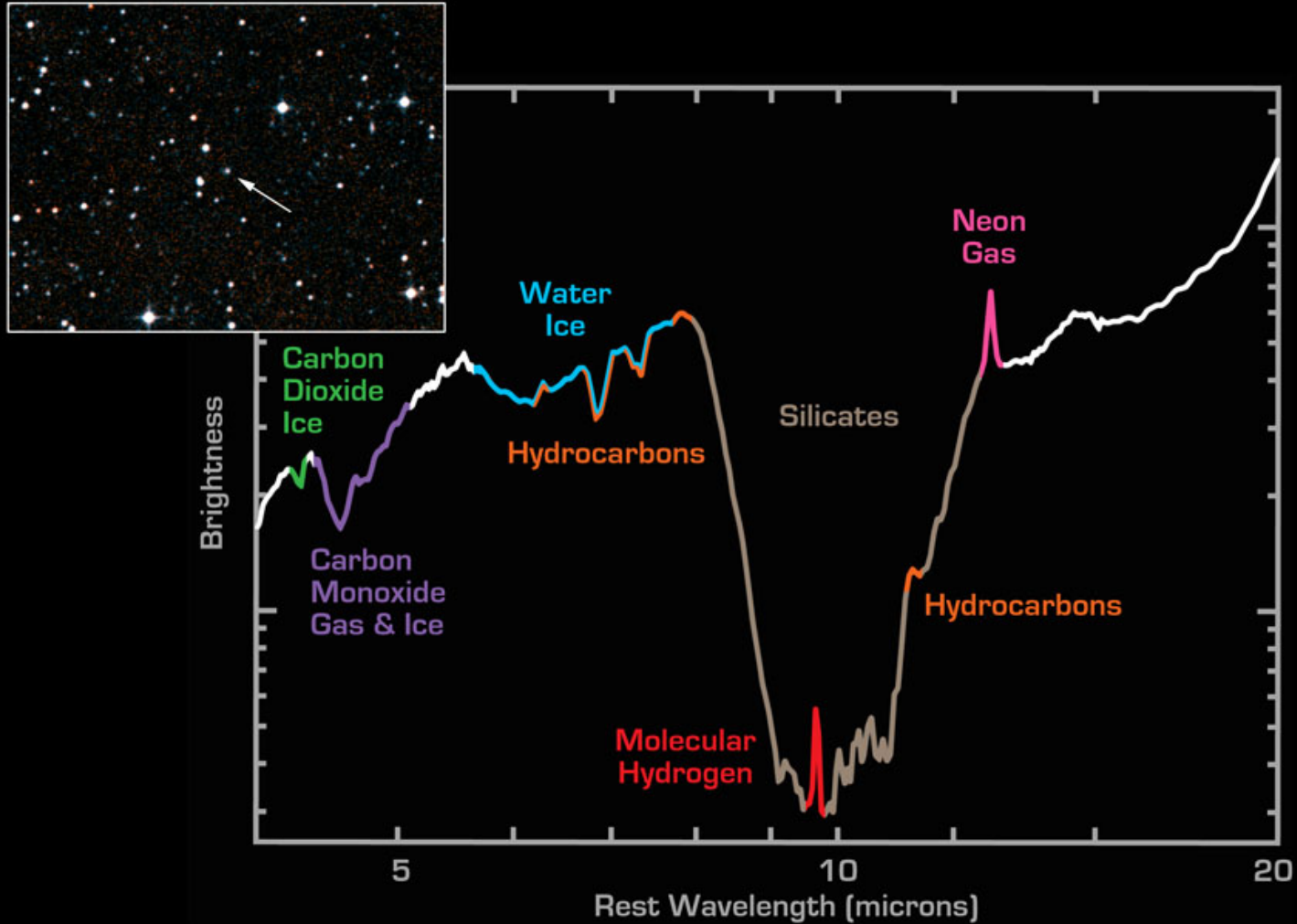
ssc2003-06d





Spiral Galaxy M81

Spitzer Space Telescope • MIPS



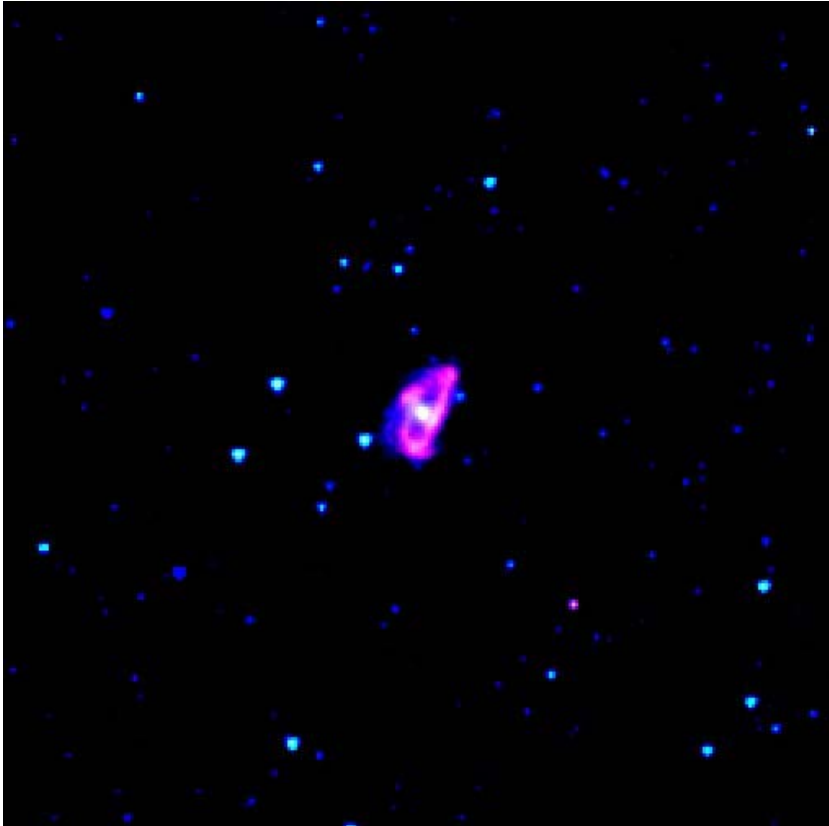
Galaxy IRAS F00183-7111

Spitzer Space Telescope • IRS

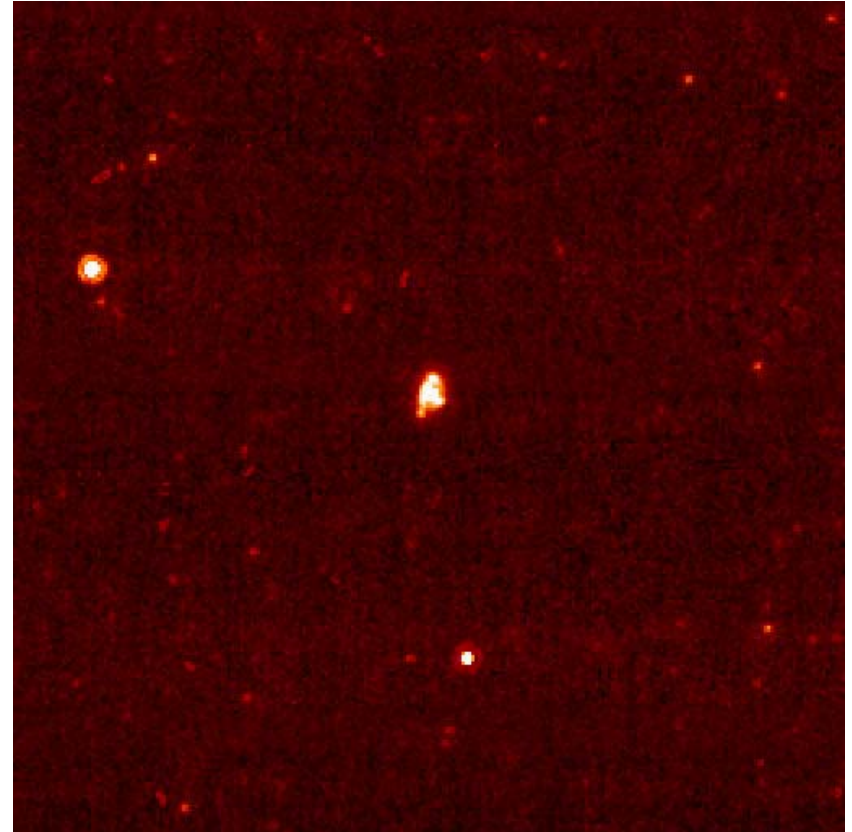
Inset: visible (DSS)



Extragalactic First Look Survey



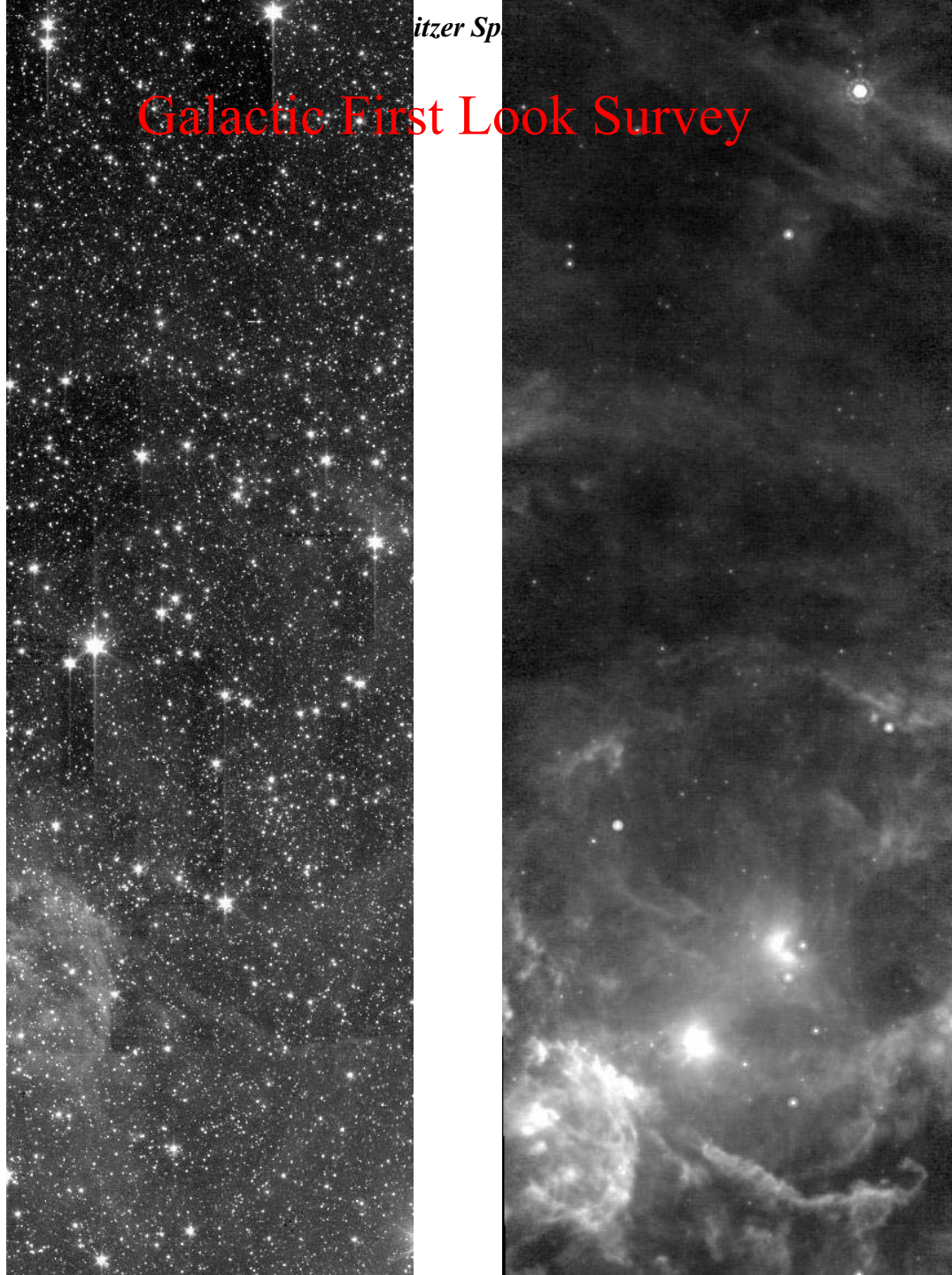
IRAC – 3.5, 4.5, 8 microns



MIPS - 24 microns



Galactic First Look Survey



IRAC
4.5 microns

MIPS
24 microns



MISSION STATUS



- **Launched 25 August 2003**
- **In Orbit Checkout / Science Verification completed 1 Dec 2003**
- **CURRENTLY CONDUCTING NORMAL SCIENCE MISSION**
 - *All data collected for Galactic and Extragalactic First-Look Surveys*
 - *GTO and Legacy Science programs being executed now*
- **Observatory status: Hardware and Operations are behaving very well**
 - *Image quality - diffraction limited at ~5.5 microns (exceeds requirements)*
 - *Lifetime - ~5 years with operational plans to increase by ~10%*
 - *Pointing – exceeds prelaunch expectations*
 - *Instrument performance – SEE <http://ssc.spitzer.caltech.edu/iocsv/> FOR DETAILS*
 - IRAC – basically at prelaunch expectations
 - IRS – meets or exceeds prelaunch expectations
 - MIPS – most significant variances; some better, some worse than prelaunch expectations
 - Data processing – pipelines are working, being tuned with real data
- **GO CYCLE 1 STATUS**
 - *Call for Proposals was updated 19 Dec 2003 with best knowledge of Observatory*
 - Further updates possible until 15 January
 - First Look Survey data released by 15 January

Proposals due 14 Feb 2004, 12 noon PST